167640

STIC-Biotech/ChemLib

From: Chan, Christina
Sent: Tuesday, October 04, 2005 9:59 AM
To: Nguyen, Quang (AU1632); STIC-Biotech/ChemLib
Subject: RE: RUSH sequence search request for 10/018392

Please rush. Thanks Chris

Chris Chan
TC 1600 New Hire Training Coordinator and SPE 1644
(571)-272-0841
Remsen, 3E89

-----Original Message-----
From: Nguyen, Quang (AU1632)
Sent: Tuesday, October 04, 2005 9:34 AM
To: Chan, Christina
Subject: RUSH sequence search request for 10/018392

Good morning,
I would like to request a rush sequence search for the above application because it would like to act on this amended case this bi-week.

Please search:

SEQ ID NO:3

against commerical, issued and pending US patent application databases.

I am in AU 1633, my mailbox is in REM-2C70.

THANK YOU.

****
Searcher:_____
Searcher Phone:_____
Date Searcher Picked up: 10/4/05
Date completed: 10/10/05
Searcher Prep Time:_____
Online Time:_____

****
Type of Search
NA#_____ AA#:_____
S/L:_____ Oligomer:_____
Encode/Transl:_____
Structure #:_____Text:____
Inventor:_____ Litigation:___

****
Vendors and cost where applicable
STN:_____
DIALOG:_____
QUESTEL/ORBIT:_____
LEXIS/NEXIS:_____
SEQUENCE SYSTEM: Dep
WWW/Internet:_____
Other (Specify):_____

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                    Welcome to DialogClassic Web(tm)
 Dialog level 05.06.01D
Last logoff:  29sep05 12:36:09
Logon file001 06oct05 13:25:22
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***ANTE: Abstracts in New Technologies (File 60)
***Civil Engineering Abstracts (File 61)
***Aluminium Industry Abstracts (File 33)
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Chemical Structure Searching now available in Prous Science Drugs
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                  ***
     >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
     >>>    of new databases, price changes, etc.      <<<
                  ****
KWIC is set to 50.
HILIGHT set on as ' '
 * * *

File   1:ERIC 1966-2004/Jul 21
       (c) format only 2004 Dialog
 *File   1: Updates to resume in the next few days. Watch for
 further details.

      Set  Items  Description
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Cost is in DialUnits
?

B 155, 159, 5, 73
       06oct05 13:25:41 User259876 Session D805.1
            $0.79    0.227 DialUnits File1
     $0.79  Estimated cost File1
     $0.08  INTERNET
     $0.87  Estimated cost this search
     $0.87  Estimated total session cost   0.227 DialUnits

SYSTEM:OS  - DIALOG OneSearch
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  File 155:MEDLINE(R) 1951-2005/Oct 05
        (c) format only 2005 Dialog
  File 159:Cancerlit 1975-2002/Oct
        (c) format only 2002 Dialog
 *File 159: Cancerlit is no longer updating.
Please see HELP NEWS159.
  File   5:Biosis Previews(R) 1969-2005/Oct W1
        (c) 2005 BIOSIS
  File  73:EMBASE 1974-2005/Oct 06
        (c) 2005 Elsevier Science B.V.

      Set  Items  Description
      ---  -----  -----------
?

S (FACTOR (W) IX) OR HFIX) (S) ("3' UTR")
>>>Unmatched parentheses
?

S ((FACTOR (W) IX) OR HFIX) (S) ("3' (W) UTR")
         2614744  FACTOR
           72257  IX
           11199  FACTOR(W)IX
             205  HFIX
               0  3' (W) UTR
      S1       0  ((FACTOR (W) IX) OR HFIX) (S) ("3' (W) UTR")
?

S ((FACTOR (W) IX) OR HFIX) AND ("3' (W) UTR")
         2614744  FACTOR
           72257  IX
           11199  FACTOR(W)IX
             205  HFIX
               0  3' (W) UTR
      S2       0  ((FACTOR (W) IX) OR HFIX) AND ("3' (W) UTR")
?

S ((FACTOR (W) IX) OR HFIX) (S) (UTR)
         2614744  FACTOR
           72257  IX
           11199  FACTOR(W)IX
             205  HFIX
           13482  UTR
      S3       8  ((FACTOR (W) IX) OR HFIX) (S) (UTR)
?

RD
...completed examining records
      S4       6  RD (unique items)
?

S S4 AND VECTOR
               6  S4
          308645  VECTOR
      S5       3  S4 AND VECTOR
?

T S5/3,K/ALL

  5/3,K/1     (Item 1 from file: 155)
```

DIALOG(R)File 155:MEDLINE(R)

14654115 PMID: 12473656
Limitation in use of heterologous reporter genes for gene promoter analysis. Silencer activity associated with the cloramphenicol acetyltransferase reporter gene.
Zhang Kezhong; Kurachi Sumiko; Kurachi Kotoku
Department of Human Genetics, University of Michigan Medical School, Ann Arbor, Michigan 48109-0618, USA.
Journal of biological chemistry (United States) Feb 14 2003, 278 (7) p4826-30, ISSN 0021-9258 Journal Code: 2985121R
Contract/Grant No.: 5-P60-AR-20557; AR; NIAMS; 5P60 DK20572; DK; NIDDK; HL38644; HL; NHLBI; HL64522; HL; NHLBI; M01-RR-00042; RR; NCRR
Publishing Model Print-Electronic
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... specific parts of the basal promoter or further upstream regions. In this study, we carried out a systematic study on human blood coagulation factor IX (**hFIX**) and anti-coagulant protein C (hPC) genes, previously shown to have silencer activities associated with their 5'-flanking regions containing promoter sequences. With newly constructed chloramphenicol acetyltransferase (CAT) reporter vectors carrying **hFIX** or hPC gene promoter sequences, we confirmed the strong silencer activities associated with the regions nt -1895 through nt -416 of the **hFIX** gene or with the region nt -802 through nt -82 of the hPC gene. However, no such silencer activities associated with the specific regions were found when autologous **hFIX** cDNA, **hFIX** minigenes, or hPC minigenes were used as reporters in the expression **vector** system. Relative levels of CAT, **hFIX** , and hPC proteins produced in the transient assays correlated well with their mRNA levels. Human FIX minigene constructs containing a simian virus 40 (SV40) 3'-untranslated region (**UTR**) taken from the CAT reporter gene showed no silencer activity, indicating that SV40 3'- **UTR** sequence of the CAT reporter gene does not contribute to the silencer activity. Expression vectors constructed with the beta-galactosidase gene under the control of **hFIX** gene promoter sequences also showed no silencer activity associated with the region nt -1895 through nt -416. These findings indicate that silencer activities associated with...

5/3,K/2 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0014211015 BIOSIS NO.: 200300169734
Limitation in use of heterologous reporter genes for gene promoter analysis. Silencer activity associated with the chloramphenicol acetyltransferase reporter gene.
AUTHOR: Zhang Kezhong; Kurachi Sumiko; Kurachi Kotoku (Reprint)
AUTHOR ADDRESS: Age Dimension Research Center, Higashi 1-1-1, The AIST Tsukuba Central 4th Site, Tsukuba, Ibaraki, 305-8562, Japan**Japan
AUTHOR E-MAIL ADDRESS: kkurachi@umich.edu
JOURNAL: Journal of Biological Chemistry 278 (7): p4826-4830 February 14, 2003 2003
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article

RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: specific parts of the basal promoter or further upstream regions. In this study, we carried out a systematic study on human blood coagulation factor IX (**hFIX**) and anti-coagulant protein C (hPC) genes, previously shown to have silencer activities associated with their 5'-flanking regions containing promoter sequences. With newly constructed chloramphenicol acetyltransferase (CAT) reporter vectors carrying **hFIX** or hPC gene promoter sequences, we confirmed the strong silencer activities associated with the regions nt -1895 through nt -416 of the **hFIX** gene or with the region nt -802 through nt -82 of the hPC gene. However, no such silencer activities associated with the specific regions were found when autologous **hFIX** cDNA, **hFIX** minigenes, or hPC minigenes were used as reporters in the expression **vector** system. Relative levels of CAT, **hFIX** , and hPC proteins produced in the transient assays correlated well with their mRNA levels. Human FIX minigene constructs containing a simian virus 40 (SV40) 3'-untranslated region (**UTR**) taken from the CAT reporter gene showed no silencer activity, indicating that SV40 3'- **UTR** sequence of the CAT reporter gene does not contribute to the silencer activity. Expression vectors constructed with the beta-galactosidase gene under the control of **hFIX** gene promoter sequences also showed no silencer activity associated with the region nt -1895 through nt -416. These findings indicate that silencer activities associated with...

5/3,K/3 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0013122043 BIOSIS NO.: 200100293882
A nonviral approach: Long-term and therapeutic level human factor IX gene expression due to retention of optimal HFIX plasmids in hepatocytes after naked DNA transfer
AUTHOR: Miao Carol H (Reprint); Thompson Arthur R (Reprint); Loeb Keith R; Ye Xin (Reprint)
AUTHOR ADDRESS: Dept. of Medicine, Puget Sound Blood Center and University of Washington, Seattle, WA, USA**USA
JOURNAL: Blood 96 (11 Part 1): p210a November 16, 2000 2000
MEDIUM: print
CONFERENCE/MEETING: 42nd Annual Meeting of the American Society of Hematology San Francisco, California, USA December 01-05, 2000; 20001201
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: It was found that **hFIX** plasmids containing hepatic locus control region (ApoE-HCR), alpha1-antitrypsin promoter, **hFIX** cDNA, a portion of **hFIX** first intron, and a polyadenylation signal (from either bovine growth hormone or **hFIX** 3'- **UTR**) produced high level gene expression in mouse livers. Rapid tail vein injection of 20 mug plasmids in a large fluid volume produced 10mug/ml of **hFIX** protein (normal=5mug/ml) on the first day, which subsequently decreased to lower levels (Miao et al. (2000) Mol. Ther. 1, 522-532). Very interestingly, the plasma **hFIX** concentrations stabilized at 7-8 weeks in the range from 0.5 to 2 mug/ml (therapeutic for treating hemophilia B). These levels were maintained for over one year (duration of the experiments).

Southern analyses showed that majority of the DNA were taken up by the liver. The mount of **vector** DNA retained in the cells peaked 1 day post injection, then declined and stabilized at a constant level from mice infused by either high-expressing, or low-expressing plasmids. Restriction analyses showed that most of the **vector** DNA stayed in the same episomal forms as the original plasmid. RT-PCR analyses showed that the transcripts were only observed in the liver. The...

...No significant differences were observed between plasmid injection and saline only control. These data established the foundation towards developing nonviral gene transfer strategy with optimal **hFIX** plasmids for the treatment of hemophilia B.

?

```
Set     Items   Description
S1          0   ((FACTOR (W) IX) OR HFIX) (S) ("3' (W) UTR")
S2          0   ((FACTOR (W) IX) OR HFIX) AND ("3' (W) UTR")
S3          8   ((FACTOR (W) IX) OR HFIX) (S) (UTR)
S4          6   RD (unique items)
S5          3   S4 AND VECTOR
?

S S4 NOT S5
               6  S4
               3  S5
      S6       3  S4 NOT S5
?

T S6/3,K/ALL
```

6/3,K/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)
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16328825 PMID: 15590401

Molecular characterization of hemophilia B in North Indian families: identification of novel and recurrent molecular events in the factor IX gene.

Mahajan Anubha; Chavali Sreenivas; Kabra Madhulika; Chowdhury Madhumita Roy; Bharadwaj Dwaipayan

Functional Genomics Unit, Institute of Genomics and Integrative Biology, CSIR, Delhi, India.

Haematologica (Italy) Dec 2004, 89 (12) p1498-503, ISSN 1592-8721 Journal Code: 0417435

Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Process

... patients. DESIGN AND METHODS: Polymerase chain reaction (PCR) amplification and direct sequencing of all regions of likely functional significance- the coding regions, promoter, the 5' **UTR** , the splice junctions and parts of the 3' **UTR** of the **factor IX** gene was done in 18 families carrying a severe form of hemophilia B. RESULTS: We identified 10 point mutations (including 2 novel ones); one novel...

6/3,K/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

12980979 PMID: 10933977
Inclusion of the hepatic locus control region, an intron, and untranslated region increases and stabilizes hepatic factor IX gene expression in vivo but not in vitro.
Miao C H; Ohashi K; Patijn G A; Meuse L; Ye X; Thompson A R; Kay M A
Department of Medicine and Puget Sound Blood Center, University of Washington, Seattle 98195, USA.
Molecular therapy - the journal of the American Society of Gene Therapy (UNITED STATES) Jun 2000, 1 (6) p522-32, ISSN 1525-0016
Journal Code: 100890581
Contract/Grant No.: DK49022; DK; NIDDK; HL09754; HL; NHLBI; HL53682; HL; NHLBI
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... was observed in the in vivo studies. We found that a plasmid containing the apolipoprotein E locus control region (HCR), human alpha1-antitrypsin (hAAT) promoter, **hFIX** minigene (hFIXmg) sequence including a portion of the first intron (intron A), 3'-untranslated region (3'- **UTR**), and a bovine growth hormone polyadenylation signal (bpA) produced the highest serum level of human **factor IX** , reaching 18 microg/ml (normal = 5 microg/ml) 1 day after injection. Although most of the plasmid DNAs resulted in transient gene expression, inclusion of an intron, a polyadenylation signal from either the 1.7-kb 3'- **UTR** or the 0.3-kb bpA, and the HCR resulted in persistent and therapeutic levels of **hFIX** gene expression, ranging from 0.5 to 2 microg/ml (10 to 40% of normal) for 225 days (length of experiment). These data underscore the...

6/3,K/3 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0013128621 BIOSIS NO.: 200100300460
Genetic mechanisms of age regulation of the anticoagulant protein C gene and conversion of the age regulatory pattern of protein C to that of factor X
AUTHOR: Zhang K-Z (Reprint); Kurachi S (Reprint); Kurachi K (Reprint)
AUTHOR ADDRESS: Human Genetics, University of Michigan Medical School, Ann Arbor, MI, USA**USA
JOURNAL: Blood 96 (11 Part 1): p564a-565a November 16, 2000 2000
MEDIUM: print
CONFERENCE/MEETING: 42nd Annual Meeting of the American Society of Hematology San Francisco, California, USA December 01-05, 2000; 20001201
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: in humans increases with advancing age, which may have substantial clinical importance. Towards understanding this phenomenon, we recently determined the age-regulatory mechanisms of the **hFIX** gene, identifying two elements, AE5' and AE3', essential for recapitulating

physiological age-associated patterns of **hFIX** gene expression (Kurachi et al., Science 1999; 285: 739-743). We now report the genetic mechanisms of age regulation of the human PC (hPC) gene...

...composed of the promoter region up to nucleotide -82, -802, -849 or -1462, coding region with the 1st intron, and the complete 3' untranslated region (**UTR**) with a part of the 3' flanking sequence, were constructed, tested in vitro and used for construction of transgenic mice. These minigenes showed similar transient...

...and -82hPCm1 showed dramatic declines in hPC expression over puberty, thus identifying a specific AE5'-like element, in the natural hPC gene. Animals with an **hFIX** AE5' inserted at the 5' end of -82hPCm1 (AE5'/-82hPCm1) showed age-stable hPC expression and pre-pubertal hPC levels similar to -82hPCm1. With AE3' inserted in the middle of the 3' **UTR** , minigene, -1462hPCm1 gave an age-associated increase in hPC expression, completely mimicking the age regulation of the **hFIX** gene. Thus, we now have established the age-regulatory mechanisms of the hPC gene and the functional universality of AE5' and AE3'.

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?


Set     Items   Description
S1          0   ((FACTOR (W) IX) OR HFIX) (S) ("3' (W) UTR")
S2          0   ((FACTOR (W) IX) OR HFIX) AND ("3' (W) UTR")
S3          8   ((FACTOR (W) IX) OR HFIX) (S) (UTR)
S4          6   RD (unique items)
S5          3   S4 AND VECTOR
S6          3   S4 NOT S5
?

S (VECTOR) (S) (HFIX (W) GENE)
          308645  VECTOR
             205  HFIX
         2759039  GENE
      S7      39  (VECTOR) (S) (HFIX (W) GENE)
?

S S7 NOT PY>1999
              39  S7
         9154551  PY>1999
      S8      12  S7 NOT PY>1999
?

RD
...completed examining records
      S9       7  RD (unique items)
?

T S9/3,K/ALL

  9/3,K/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 Dialog. All rts. reserv.

12612895   PMID: 10465892
 [Splicing and stability of intron in the expression retroviral vector
 with human clotting factor IX]
  Xing Y N; Lu D R; Gao X B; Qiu X F; Xue J L
  Institute of Genetics, Fudan University, Shanghai.
```

Yi chuan xue bao = Acta genetica Sinica (CHINA) Dec 1998, 25 (6) p471-7, ISSN 0379-4172 Journal Code: 7900784
Publishing Model Print
Document type: Journal Article ; English Abstract
Languages: CHINESE
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... two forward-orientation retroviral vectors: G1NaC-i-IX contains the exogenous intron from IL-2, and G1NaC-i'-IX contains the truncated intron I from **hFIX gene** , covering the splicing donor and acceptor sequences. RT-PCR result indicated that intron in the forward-orientation retroviral **vector** was spliced after packaging in PA317. Then, reverse-orientation retroviral vectors G1NaC-i'-IXR and G1NaPAIXi' BAM were constructed, in which the reverse and complimentary sequences of **hFIX gene** with intron appeared in retroviral RNA. RT-PCR assay combined with ELISA test indicated that intron was retained after packaging and **hFIX gene** with intron constructed in the reverse-orientation retroviral **vector** can be transduced intact and expressed hFIX at a high level in vitro.

9/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11976433 PMID: 9261559
Increment of hFIX expression with endogenous intron 1 in vitro.
Zheng B; Qiu X Y; Tan M; Xing Y N; Lo D; Xue J L; Qiu X F
Institute of Genetics, Eudan Univerisity, Shanghai.
Cell research (CHINA) Jun 1997, 7 (1) p21-9, ISSN 1001-0602
Journal Code: 9425763
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... with endogenous intron 1 sequence. hFIX minigene was obtained with middle sequence truncated intron 1 inserted into the relative site of hFIX cDNA, and plasmid **vector** pKG5i'IX, retroviral **vector** GINaCi'IX were constructed. These vectors were transduced into target cells of PA317, C2C12, primary rabbit skin fibroblasts (RSF) and primary human skin fibroblasts (HSF...

... order to study the application of hFIX minigene in the retroviral-mediated gene transfer system and refrain from intron splicing during viral production, a retroviral **vector** G1NaCi'IXR with reversely inserted hFIX minigene expression cassette was constructed. The expression level of reverse constructor in PA317 cells was 390 ng/10(6...

... PCR detection of HT/G1NaCi'IXR cells infected with PA317/G1NaCi'IXR supernatant confirmed the existence of intron 1 sequence. These results suggested that expression **vector** with forward-inserted intron1-carrying hFIX expression cassette can be used in directed gene transfer, but when using the retroviral-mediated gene transfer system, reversely...

9/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11922552 PMID: 9264782
[Genetic therapy for hemophiliacs--therapeutic potential and technological limits]
Therapie genique des hemophilies--potentialites therapeutiques et limitations technologiques.
Michou A I; Christ M; Pavirani A; Mehtali M
Transgene S.A., Strasbourg, France.
Transfusion clinique et biologique - journal de la Societe francaise de transfusion sanguine (FRANCE) 1997, 4 (3) p251-61, ISSN 1246-7820 Journal Code: 9423846
Publishing Model Print
Document type: Journal Article; Review; Review, Tutorial ; English Abstract
Languages: FRENCH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... vivo various recombinant adenovirus vectors expressing human FIX. Intravenous administration of this vector into various strains of immunocompetent and immunodeficient mice led to an efficient **hFIX gene** transfer in liver and lung. As a consequence, the hFIX protein was correctly produced and secreted at high levels in the blood of the treated ...

9/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11575256 PMID: 8886845
Construction of human factor IX expression vectors in retroviral vector frames optimized for muscle cells.
Wang J M; Zheng H; Sugahara Y; Tan J; Yao S N; Olson E; Kurachi K
Department of Human Genetics, University of Michigan Medical School, Ann Arbor 48109, USA.
Human gene therapy (UNITED STATES) Sep 10 1996, 7 (14) p1743-56, ISSN 1043-0342 Journal Code: 9008950
Contract/Grant No.: 5-P60-AR20557; AR; NIAMS; HL 38644; HL; NHLBI; HL 53713; HL; NHLBI
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... contained a hFIX cDNA or hFIX minigene (hIXm1 or hIXm2) derived from the hFIX cDNA by insertion of a shortened first intron sequence of the **hFIX gene** . Regardless of the promoter and **vector** frame used, both hIXm1 and hIXm2 gave 10- to 14-fold higher hFIX expression compared to those with hFIX cDNA. Internal hFIX transcriptional control units...
... As assayed with myotubes in culture, the general order of hFIX expression activity of various promoters with four copies of Me in the three different **vector** frames was beta A280 approximately beta A200 > Mg353 > Mg1031 approximately RSV approximately CO650 approximately alpha A775 > CO1250. One exception was that CO650 showed significantly less...

...components, a group of pdLi vectors consisting of beta A200, two to four copies of Me, and hIXm2 was identified to have the optimal basic **vector** structure to be used in retrovirus for hFIX expression in differentiated

skeletal muscle cells. The present studies provide the critical first step for establishing a highly refined hemophilia B gene therapy based on skeletal muscle-targeted **hFIX gene** transfer.

9/3,K/5 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0012561068 BIOSIS NO.: 200000279381
Skeletal muscle-specific expression of human blood coagulation factor IX rescues factor IX deficiency mouse by AAV-mediated gene transfer
AUTHOR: Lai Lihui (Reprint); Chen Li (Reprint); Wang Jianmin; Zhou Hong; Lu Daru (Reprint); Wang Qi (Reprint); Gao Xiaobo (Reprint); Qiu Xinfang (Reprint); Xue Jinglun (Reprint)
AUTHOR ADDRESS: Institute of Genetics, Fudan University, Shanghai, 200433, China**China
JOURNAL: Science in China Series C Life Sciences 42 (6): p628-634 Dec., 1999 1999
MEDIUM: print
ISSN: 1006-9305
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The efficacy of recombinant adeno-associated virus (AAV) vector to deliver and express human blood clotting factor IX (**hFIX**) **gene** in skeletal muscle of coagulation factor IX deficiency mouse strain (FactorIX-knockout) is evaluated. The muscle creatine kinase enhancer (MCK) and beta-actin promoter (betaA...
...to drive the hFIX minigene (hFIXm1), which was flanked by AAV inverted terminal repeats (ITRs). Following intramuscular injection of high titer (2.5 X 1011 **vector** genomes/mL) of rAAV, increased hFIX expression (256 ng/mL of plasma) was achieved. The time course of hFIX expression demonstrated that the expression level...

9/3,K/6 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0011789002 BIOSIS NO.: 199900048662
Expression and regulation of hFIX minigene and cDNA driven by beta-casein gene in mouse mammary gland
AUTHOR: Zhang Kezhong; Jiang Peihong (Reprint); Lu Daru (Reprint); Huang Weida; Chen Li; Xue Jinglun (Reprint); Qiu Xinfang (Reprint)
AUTHOR ADDRESS: Inst. Genet., Fudan Univ., Shanghai 200433, China**China
JOURNAL: Science in China Series C Life Sciences 41 (4): p406-412 Aug., 1998 1998
MEDIUM: print
ISSN: 1006-9305
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: and intron 1 of beta-casein gene had an effect on the tissue specific expression. The expression level in mouse milk injected with hFIX minigene **vector** containing hFIX endogenous intron 1 was increased by above 3 times of that injected with hFIX cDNA **vector** .

9/3,K/7 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

06909878 EMBASE No: 1997194320
Gene therapy for hemophiliacs - Therapeutic possibilities and technological limits
THERAPIE GENIQUE DES HEMOPHILIES - POTENTIALITES THERAPEUTIQUES ET LIMITATIONS TECHNOLOGIQUES
Michou A.I.; Christ M.; Pavirani A.; Mehtali M.
M. Mehtali, Transgene S.A., 11 Rue de Molsheim, 67000 Strasbourg France
Transfusion Clinique et Biologique (TRANSFUS. CLIN. BIOL.) (France)
1997, 4/3 (251-261)
CODEN: TCBIF ISSN: 1246-7820
DOCUMENT TYPE: Journal; Conference Paper
LANGUAGE: FRENCH SUMMARY LANGUAGE: FRENCH; ENGLISH
NUMBER OF REFERENCES: 25

...transfer protocol for haemophilia B, we constructed and tested in vitro and in vivo various recombinant adenovirus vectors expressing human FIX. Intravenous administration of this **vector** into various strains of immunocompetent and immunodeficient mice led to an efficient **hFIX gene** transfer in liver and lung. As a consequence, the hFIX protein was correctly produced and secreted at high levels in the blood of the treated ...
?

```
Set     Items   Description
S1          0   ((FACTOR (W) IX) OR HFIX) (S) ("3' (W) UTR")
S2          0   ((FACTOR (W) IX) OR HFIX) AND ("3' (W) UTR")
S3          8   ((FACTOR (W) IX) OR HFIX) (S) (UTR)
S4          6   RD (unique items)
S5          3   S4 AND VECTOR
S6          3   S4 NOT S5
S7         39   (VECTOR) (S) (HFIX (W) GENE)
S8         12   S7 NOT PY>1999
S9          7   RD (unique items)
?

S S9 AND (UNTRANSLATED (W) REGION)
             7  S9
         47458  UNTRANSLATED
       2073064  REGION
         30682  UNTRANSLATED(W)REGION
    S10      0  S9 AND (UNTRANSLATED (W) REGION)
?

Set     Items   Description
S1          0   ((FACTOR (W) IX) OR HFIX) (S) ("3' (W) UTR")
S2          0   ((FACTOR (W) IX) OR HFIX) AND ("3' (W) UTR")
S3          8   ((FACTOR (W) IX) OR HFIX) (S) (UTR)
S4          6   RD (unique items)
S5          3   S4 AND VECTOR
S6          3   S4 NOT S5
S7         39   (VECTOR) (S) (HFIX (W) GENE)
S8         12   S7 NOT PY>1999
S9          7   RD (unique items)
```

```
S10          0   S9 AND (UNTRANSLATED (W) REGION)
?

COST
       06oct05 13:37:29 User259876 Session D805.2
            $3.20    0.941 DialUnits File155
               $1.54  7 Type(s) in Format  3
            $1.54  7 Types
     $4.74  Estimated cost File155
            $0.81    0.257 DialUnits File159
     $0.81  Estimated cost File159
            $6.12    1.037 DialUnits File5
               $0.80  5 Type(s) in Format 95 (KWIC)
            $0.80  5 Types
     $6.92  Estimated cost File5
            $9.66    0.909 DialUnits File73
               $2.94  1 Type(s) in Format  3
            $2.94  1 Types
    $12.60  Estimated cost File73
            OneSearch, 4 files,  3.145 DialUnits FileOS
     $3.20  INTERNET
    $28.27  Estimated cost this search
    $29.14  Estimated total session cost   3.371 DialUnits
?
```

Return to logon page!

Refine Search

Search Results -

Term	Documents
FACTOR	932821
FACTORS	751726
IX	211749
ICES	41686
IXES	3499
HFIX	207
HFICES	0
HFIXES	0
3UTR	2295
3UTRS	103
(3'UTR AND (HFIX OR (FACTOR ADJ IX))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	91
(((FACTOR ADJ IX) OR HFIX) AND ("3'UTR")).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	91

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

Refine Search

Recall Text Clear Interrupt

Search History

DATE: Thursday, October 06, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;			

OP=AND

L3	((Factor adj IX) or hFIX) and ("3'UTR")	91	L3
L2	((Factor adj IX) or hFIX) same ("3'UTR")	3	L2
L1	Kurachi-Kotoku.in.	11	L1

END OF SEARCH HISTORY

PALM INTRANET

Day : Thursday
Date: 10/6/2005

Time: 13:06:00

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
Kurachi	Kotoku	Search

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PALM INTRANET

Day : Thursday
Date: 10/6/2005

Time: 13:06:00

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
Kurachi	Sumiko	Search

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